

ROBERT B. RHEAULT

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RECENT EMPLOYMENT

- 2008 - present: **Executive Director, East Coast Shellfish Growers Association, 1623 Whitesville Rd, Toms River, NJ 08755**
- 1999 - present: **Adjunct Professor, URI, Dept. of Fisheries, Aquaculture and Vet. Sciences**
- 2009 - present: **Consultant, Shellfish Environmental Services LLC**, Contract consulting on: ecosystem services provided by shellfish aquaculture, nutrient uptake dynamics, marketing and brand development, permitting and culture methods.
- 1986 - 2009: **President-CEO, Spatco Ltd., d.b.a. Moonstone Oysters®**, Involved in all aspects of small business management for a commercial shellfish hatchery and grow-out operation.

EDUCATION

- 1995 PhD. in Biological Oceanography, Graduate School of Oceanography, URI
- 1984 M.S. in Zoology, University of Rhode Island, Kingston, RI
- 1980 B.A. in Zoology, Connecticut College, New London, CT

LEGISLATIVE AND PROFESSIONAL APPOINTMENTS

- Appointee – NOAA Science Advisory Board (2017 – present)
- Appointee – NOAA Marine Fisheries Advisory Council (2012 – 2018)
- Vice President – National Shellfisheries Association (2009 – 2010)
- President – East Coast Shellfish Growers Association (2003 - 2008)
- President - Ocean State Aquaculture Association (1993 - 2001)
- Member - Rhode Island Marine Fisheries Council (1998 - 2001)
- Vice Chair - New England Fisheries Mgt. Council Aquaculture Advisory Committee (1997 - 2006)
- Member - Board of Directors, National Aquaculture Association (2000 - 2006)
- Chair of the Board of Directors, USDA's Northeast Regional Aquaculture Center (1998)
- Chair of the Industry Advisory Council, USDA's Northeast Regional Aquaculture Ctr (1994 - 1998)
- Member – WWF Bivalve Aquaculture Dialog Global Steering Committee (2009 – 2010)

PROFESSIONAL AFFILIATIONS

- World Aquaculture Society, National Fisheries Institute, National Aquaculture Association
National Shellfisheries Association, Interstate Shellfish Sanitation Conference

SELECTED PUBLICATIONS

- Callier, M. D., Byron, C. J., Bengtson, D. A., Cranford, P. J., Cross, S. F., Focken, U., Jansen, H. M., Kamermans, P., Kiessling, A., Landry, T., O'Beirn, F., Petersson, E., Rheault, R., Strand, Ø., Sundell, K., Svåsand, T., Wikfors, G. H. and McKindsey, C. W. (2017), **Attraction and repulsion of mobile wild organisms to finfish and shellfish aquaculture: a review**. Rev Aquacult. doi:10.1111/raq.12208
- Saba, G., Poach, M., Meseck, S., Goldsmith, K., Rheault, R., Grosse, D., Phelan, B., Cooley, S., Miller, W., St.Laurent, K., Zimmerman, R., Testa, J., Weis, J. (in Press) **Recommended Priorities for Research on Ecological Impacts of Ocean and Coastal Acidification in the U.S. Mid-Atlantic**. Est. & Coast. Shelf Sci., <https://doi.org/10.1016/j.ecss.2019.04.022>
- Ferreira, J.; Corner, R.; Moore, H.; Service, M.; Bricker, S.; Rheault, R. (2018) **Ecological carrying capacity for shellfish aquaculture—Sustainability of naturally occurring filter-**

- feeders and cultivated bivalves.** J. Shellfish. Res. 37:1-18. DOI: 10.2983/035.037.0300
- Bricker, S., Ferreira, J., Zhu, C., Rose, J., Galimany, E., Wikfors, G., Saurel, C., Landeck Miller, R., Wands, J., Trowbridge, P., Grizzle, R., Rheault, R., Steinberg, J., Jacob, A., Davenport, E., Ayvazian, S., Chintala, M., and Tedesco, M. (2015) **An Ecosystem Services Assessment using Bioextraction Technologies for Removal of Nitrogen and Other Substances in Long Island Sound and the Great Bay/Piscataua Region Estuaries.** NCCOS Coastal Ocean Program Decision Analysis Series #194, NOAA 154pp +3 appendices
- Bricker, S.; Ferreira, J.; Zhu, C.; Rose, J.; Galimany, E.; Wikfors, G.; Saurel, C.; Landeck-Miller, R.; Wands, J.; Trowbridge, P.; Grizzle, R.; Wellman, K.; Rheault, R.; Steinberg, J.; Jacob, A.; Davenport, E.; Ayvazian, S.; Chintala, M.; Tedesco, M. (2017) **The role of shellfish aquaculture in reduction of eutrophication in an urban estuary.** Env. Sci. & Tech., doi. 10.1021/acs.est.7b03970.
- Rheault, R.B. (2012) **Shellfish Aquaculture** in: *Aquaculture Production Systems*, Tidwell, J.H. ed. Wiley
- K.D. Stokesbury, E.P. Baker, and B. P. Harris, R.B. Rheault (2011) **Environmental Impacts Related to Mechanical Harvest of Cultured Shellfish** In: *Shellfish and the Environment*. Shumway ed. Wiley.
- Cicin-Sain, B., S.M. Bunsick, J. Corbin, M.R. DeVoe, T. Eichenberg, J.W. Ewart, J. Firestone, K. Fletcher, H. Halvorson, T. MacDonald, R. Rayburn, R.B. Rheault, and B. Thorne-Miller (2005), **Recommendations for an Operational Framework for Offshore Aquaculture in U.S. Federal Waters.** Center for the Study of Marine Policy, U. Del. 118pp.
- deAlteris, J.T., B.D. Kilpatrick, R.B. Rheault (2004) **A Comparative Evaluation of the Habitat Value of Shellfish Aquaculture Gear, Submerged Aquatic Vegetation and a Non-Vegetated Seabed.** J. Shellfish Res., Vol. 23, No. 3, 867–874.
- Shumway, S.E., Davis, C., Downey, R., Karney, R., Kraeuter, J., Parsons, J., Rheault, R.B., Wikfors, G. (2003) **Shellfish Aquaculture – In praise of sustainable economies and environments.** World Aquaculture 34(4)15-19.
- Cicin-Sain, B., S.M. Bunsick, M.R. DeVoe, T. Eichenberg, J.W. Ewart, H. Halvorson, R.W. Knecht, R.B. Rheault (2001), **Development of a Policy Framework for Offshore Marine Aquaculture in the 3-200 Mile U.S. Ocean Zone.** Center for the Study of Marine Policy, U. Del. 166pp.
- Rheault, R.B. (2001) **Eelgrass is Great, but Shellfish Aquaculture is Better.** In: **Marine Aquaculture and the Environment: A Meeting for Stakeholders in the Northeast** pp203-210. (Tlusty, M.F., D.A. Bengston, H.O. Halvorson, S.D. Oktay, J.B. Pearce, and R.B. Rheault eds.) Cape Cod Press, Falmouth.
- Rheault, R.B. (2000) **US Patent No, 6,024,050 - Shellfish Aquaculture Upwellers and System**
- Rheault, R.B. (1995) **Studies on Food-Limited Growth in Juvenile Shellfish Using Novel Aquaculture Approaches.** Ph.D. Dissertation URI, Graduate School of Oceanography.
- Rheault, R.B. & M.A. Rice (1995) **Transient-gear shellfish aquaculture.** World Aquaculture, 26(1)26-31.
- Rheault, R.B. and M.A. Rice (1996) **Food-limited growth and condition index in the oyster, *Crassostrea virginica* (Gmelin) and the bay scallop, *Argopecten irradians irradians* (Lamarck).** Journal of Shellfish Research 15(2)271-283.
- Rheault, R.B. and M.A. Rice (1989) **Nursery culture of shellfish seed in marinas.** Journal of the International Marina Institute, 1:207-232.

2005 Recipient National Shellfisheries Assoc. *Wallace Award* for advancement of the shellfish industry